

MESH TO MICRON TO INCHES COMPARISON TABLE
AND
FLOW RATE (GPM) GALLONS PER MINUTE TO GPH (GALLONS PER HOUR)
COMPARISON TABLE

MICRON-MESH-INCHES COMPARISON			FLOW RATE	
MICRON	MESH	INCHES	GPM	GPH
2,487	4	.0970	10	600
1,923	8	.0750	12	720
1,307	10	.0510	15	900
1,000	14	.0394	20	1,200
840	20	.0331	30	1,800
710	25	.0280	40	2,400
590	30	.0232	50	3,000
500	35	.0197	60	3,600
420	40	.0165	70	4,200
350	45	.0138	80	4,800
297	50	.0117	90	5,400
250	60	.0098	100	6,000
210	70	.0083	120	7,200
177	80	.0070	150	9,000
149	100	.0059	180	10,800
125	120	.0049	200	12,000
105	140	.0041	250	15,000
88	170	.0035	300	18,000
74	200	.0029	400	24,000
62	230	.0024	500	30,000
53	270	.0021	600	36,000
44	325	.0017	700	42,000
37	400	.0015	800	48,000
25	550	.0009	900	54,000
15	800	.0006	1,000	60,000
10	1,250	.0004	1,400	84,000
5	2,500	.0002	1,500	90,000

APPROXIMATE VISCOSITY SAMPLE TABLE
(at standard operating temperatures)

FLUID	CENTIPOISE	SUS
water @ 70° F.	1	32
crude oil	10	60
kerosene	10	60
standard fuel	12	71
anti-freeze	15	82
fuel oil	20	97
heavy crude oil	100	450
SAE 10 wt. oil	200	925
SAE 30 wt. oil	325	1,500
standard hydraulic oil	32	150
honey	2,500	11,900
asphalt at 200° F.	3,000	14,000

RELATIVE SIZES OF PARTICLES

SUBSTANCE	MICRON	INCH
grain of table salt	100	.0039
human hair	70	.0027
lower limit of visibility	40	.00158
white blood cell	25	.0010
talcum powder	10	.00039
red blood cell	8	.00032
bacteria (average)	2	.000078